## WHAT IS CLAIMED IS:

1	1.	A safety circuit for an electric motor including at least one power	
2	input, at least one motor winding and an input ground, the safety circuit comprising:		
3	a.	a relay coupled to the at least one power input and the input ground;	
4	and		
5	b.	at least one transistor switch coupled to the relay, the at least one	
6	power input and the	at least one motor winding.	
1	2.	A safety circuit in accordance with claim 1 wherein the relay	
2	comprises an induct	or that is inductively coupled to the at least one transistor switch.	
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1	3.	A safety circuit in accordance with claim 1 wherein the relay	
2	comprises a resistor that is coupled to the at least one transistor switch.		
1	4.	A safety circuit for an electric motor including at least first and second	
2	power inputs, at leas	st first and second motor windings and an input ground, the safety circuit	
3	comprising:		
4	a.	a relay coupled to the at least two power inputs and the input ground;	
5	and		
6	b.	at least first and second transistor switches coupled to the relay, the	
7	first transistor switch being coupled the first power input and the first motor winding, and the		
8	second transistor switch being coupled to the second power input and the second motor		
9	winding.		
1	5.	A safety circuit in accordance with claim 4 wherein the relay	
2	comprises an inducto	or that is inductively coupled to the at least first and second transistor	
3	switches.		
1	6.	A safety circuit in accordance with claim 4 wherein the relay	
2	comprises a resistor	that is coupled to the at least first and second transistor switches.	
1	7.	An electric motor comprising:	
2	a.	at least first and second power inputs;	
3	b.	at least first and second motor windings;	
4		an input around; and	

5	d.	a safety circuit comprising:	
6		i. a relay coupled to the at least two power inputs and the input	
7	ground; and		
8		ii. at least first and second transistor switches coupled to the relay,	
9	the first trans	sistor switch being coupled the first power input and the first motor	
10	winding, and the second transistor switch being coupled to the second power input		
11	and the second motor winding.		
1	8.	An electric motor in accordance with claim 7 wherein the relay	
2		or that is inductively coupled to the at least first and second transistor	
3	switches.	of that is inductively coupled to the at least first and second transistor	
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1	9.	An electric motor in accordance with claim 7 wherein the relay	
2	comprises a resistor	that is coupled to the at least first and second transistor switches.	
1	10.	A method of operating an electric motor including at least one power	
2	input, at least one me	otor winding and an input ground, the method comprising:	
3	a.	providing a safety circuit comprising:	
4		i. a relay coupled to the at least one power input and the input	
5	ground; and		
6	,	ii. at least one transistor switch coupled to the relay, the at least	
7	one power input and the at least one motor winding;		
8	ь.	supplying power to the at least one power input; and	
9	c.	ceasing operation of the electric motor if the relay is not coupled to	
10	ground.		
1	11.	A marked in a consideration and a triangle of the state o	
2		A method in accordance with claim 10 wherein the relay comprises an	
2	inductor that is induc	tively coupled to the at least one transistor switch.	
1	12.	A method in accordance with claim 10 wherein the relay comprises a	
2	resistor that is couple	ed to the at least one transistor switch.	
1	13.	A method of operating an electric motor including at least first and	
2			
3	second power inputs, at least first and second motor windings and an input ground, the method comprising:		
4	a.	providing a safety circuit comprising:	
	a.	pro rame a sarety circuit comprising.	

5		i. a relay coupled to the at least first and second power inputs and	
6	the input ground; and		
7		ii. at least first and second transistor switches coupled to the relay	
8	the first trans	istor switch being coupled the first power input and the first motor	
9	winding, and the second transistor switch being coupled to the second power input		
10	and the second motor winding;		
11	b.	supplying power to the at least first and second power inputs; and	
12	c.	ceasing operation of the electric motor if the relay is not coupled to	
13	ground.		
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	14.	A method in accordance with claim 13 wherein the relay comprises an	
2	inductor that is induc	ctively coupled to the at least first and second transistor switches.	
1	15.	A method in accordance with claim 13 wherein the relay comprises a	
2	resistor that is coupled to the at least first and second transistor switches.		
1	16.	A pump comprising an electric motor comprising:	
2	a.	at least first and second power inputs;	
3	b.	at least first and second motor windings;	
4	c.	an input ground; and	
5	d.	a safety circuit comprising:	
6		i. a relay coupled to the at least two power inputs and the input	
7	ground; and		
8		ii. at least first and second transistor switches coupled to the relay,	
9	the first trans	istor switch being coupled the first power input and the first motor	
10	winding, and the second transistor switch being coupled to the second power input		
11	and the second motor winding.		
1	17.	A pump in accordance with claim 16 wherein the relay comprises an	

- 17. A pump in accordance with claim 16 wherein the relay comprises an
  inductor that is inductively coupled to the at least first and second transistor switches.
- 1 18. A pump in accordance with claim 16 wherein the relay comprises a 2 resistor that is coupled to the at least first and second transistor switches.